

Title (en)

PLUG CONNECTOR AND METHOD OF PRODUCING A PLUG CONNECTION

Title (de)

STECKVERBINDER UND VERFAHREN ZUR HERSTELLUNG EINER STECKVERBINDUNG

Title (fr)

CONNECTEUR ET MÉTHODE DE PRODUCTION D'UNE CONNEXION

Publication

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Application

**EP 18165468 A 20180403**

Priority

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Abstract (en)

The present invention relates to a plug connector with a first plug (2) and a second plug (22), which have plug elements (6, 48) which are allocated to each other and can be connected to each other via plug contacting, and a securing device for mechanically securing the plugged-together plugs. In order to create a plug connector which, as far as possible, precludes assembly failures, in the present invention, the securing device is formed with a lever (30) which is pivotably mounted on the first plug (2) and which, eccentrically to its pivot axis, pivotably bears a connecting element (34) which has a securing cam (54) on its free end, the second plug (22) having a receptacle (46) which is formed adapted to form-fittingly receive the securing cam (54) and which has a ramp surface (62) which cooperates with the free end of the connecting element (34), via which ramp surface (62) the securing cam (54) is forcibly guided behind a locking surface (64) of the receptacle (46) during the plugging-together. In the inventive method of producing a plug connection between a first plug (2) and a second plug (22), during the plugging-together, a securing cam (54) which is provided on the free end of a connecting element (34) is forcibly guided behind a locking surface (64) which is formed at the second plug (22), and, subsequently, the two plugs (2, 22) are drawn towards each other by pivoting a lever (30) which pivotably bears the connecting element (34).

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Citation (applicant)

- DE 202005017188 U1 20060302 - LIANG TEI CO [TW]
- DE 202009015913 U1 20110512 - WEIDMUELLER INTERFACE [DE]
- FR 2871956 A1 20051223 - COGEMA [FR]

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